

STATUS OF CLAIMS

<u>Claim No.</u>	<u>Status</u>
1	Cancelled
2	Cancelled
3	Cancelled
4	Cancelled
5	Cancelled
6	Cancelled
7	Cancelled
8	Cancelled
9	Cancelled
10	Cancelled
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49	Cancelled
50	Cancelled
51	Currently Amended
52	Currently Amended
53	Currently Amended
54	Currently Amended
55	Currently Amended
56	Currently Amended
57	Currently Amended
58	Currently Amended
59	Currently Amended
60	Currently Amended
61	Currently Amended
62	Currently Amended
63	Currently Amended
64	Currently Amended
65	Currently Amended
66	Currently Amended
67	Currently Amended
68	Original
69	Original

70	Original
71	Original
72	Original
73	Currently Amended
74	Original
75	Original
76	Currently Amended
77	Original
78	Currently Amended
79	Original
80	Original
81	Original
82	Original
83	Original
84	Original
85	Currently Amended
86	New

1-50 (Cancelled)

A composition for ~~making a determination for a presence of~~
determining whether a harmful water-soluble multi-valent, and
ionically reducible metal contaminant is present in a body of water
when that composition is contacted with a body of water, said
composition comprising:

- a) a water-soluble, multi-valent, metal or metal
anion reducing agent which when introduced in
the body of water will reduce ~~the~~ metal
contaminant in the water to a lower valence
state and where the metal or metal anion
reducing agent is responsible for a
substantial portion ~~substantially all~~ of the
metal ~~contaminate~~ contaminant reduction; and
- b) a first ingredient in said water containing
composition for maintaining the pH
substantially below 7.0 whereby a physically
observable change in said body of water
resulting from the presence of the metal
contaminant allows for readily visual
indication of the presence of the potentially
harmful metal contaminant ~~based on said~~
change.

52 (Currently Amended)

The composition for determining ~~whether a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 52 further characterized in that said composition ~~provides for~~ allows the reducing agent to become oxidized to a higher valence state.

53 (Currently Amended)

The composition for determining ~~whether a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 51 further characterized in that said composition further comprises a second ingredient which allows for stabilization of any reaction products.

54 (Currently Amended)

The composition for determining ~~whether a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 51 further characterized in that said metal contaminant is a contaminant which comprises a metal selected from the group consisting of arsenic, chromium and mercury and salts thereof.

55 (Currently Amended)

The composition for determining ~~whether a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 54 further characterized in that said composition having a free metal or a

metal salt selected from the class consisting of iron and iron salts and cobalt and cobalt salts.

56 (Currently Amended)

The composition for determining whether a presence of a metal contaminant is present in the body of ~~in~~ water of Claim 54 further characterized in that said reducing agent is a metal or metal salt selected from the class consisting of cerium, cobalt, europium, iron, manganese, nickel, platinum, praseodymium, rhenium, rhodium, samarium, terbium, tin, titanium, and ytterbium.

57 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 51 further characterized in that said composition comprises a member selected from the class consisting of sequestering agents, flocculating agents and precipitating agents.

58 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 57 further characterized in that said composition also comprises a dispersing agent.

59 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 58 further characterized in that said composition is present in the form of a water-soluble tablet capable of being introduced into a sample of water to be tested.

60 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant is present in the body of ~~in~~ water of Claim 59 further characterized in that said change is a presence of suspended solid matter in the water and which allows for observation of a visible change in the water.

61 (Currently Amended)

A composition for ~~making a determination of the presence of~~
determining whether a potentially harmful water-soluble, multi-
valent and ionically reducible metal contaminant is present in a
body of water when that composition is contacted with a body of
water, said composition comprising:

- a) a water-soluble multi-valent, metal-containing
reducing agent introducible into the water to
be tested and which will reduce the metal
contaminant to a lower valence state; and
- b) another ingredient which will allow for
stabilization of any reaction products, and
~~present~~ provides an indication of these
reaction products by a rapid visible change in
the water thereby identifying presence of the
potentially harmful metal contaminants.

62 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal
contaminant ~~in water~~ of Claim 61 is present in the body of water
further characterized in that said reducing agent is one which will
readily reduce the valence state of a metal-containing contaminant
selected from the group consisting of arsenic, chromium and mercury
or salts thereof.

63 (Currently Amended)

The composition for determining whether a presence of a metal contaminant ~~in water~~ of Claim 61 is present in the body of water further characterized in that said reducing agent is one which will readily reduce the valence state of the contaminant and is a free metal or metal salt selected from the class consisting of iron and iron salts and cobalt and cobalt salts.

64 (Currently Amended)

The composition for determining whether a presence of a metal contaminant ~~in water~~ of Claim 61 62 is present in the body of water further characterized in that said reducing agent is a metal or metal salt selected from the class consisting of cerium, cobalt, europium, iron, manganese, nickel, platinum, praseodymium, rhenium, rhodium, samarium, terbium, tin, titanium, and ytterbium.

65 (Currently Amended)

The composition for determining whether a presence of a metal contaminant ~~in water~~ of Claim 61 is present in the body of water further characterized in that another ingredient comprises a member selected from the class consisting of sequestering agents, precipitating agents and flocculating agents.

66 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant ~~in water~~ of Claim 65 is present in the body of water further characterized in that said composition also comprises a dispersing agent.

67 (Currently Amended)

The composition for determining whether ~~a presence of~~ a metal contaminant ~~in water~~ of Claim 66 is present in the body of water further characterized in that said composition is present in the form of a water-soluble tablet capable of being introduced into a sample of water to be tested.

68 (Original)

A tableted composition for detecting the presence of a potentially harmful metal contaminant in water by visual determination when the tableted composition is introduced into the water, said tableted composition comprising:

- a) a reductant capable of reducing the metal contaminant to a reduced state; and
- b) a component selected from the class consisting of a sequestering agent and a stabilizing agent.

69 (Original)

The tableted composition of claim 68 further characterized in that said composition comprises a dispersing agent for obtaining rapid mixing and dispersal of the reducing agent throughout the sample of water to be tested.

70 (Original)

The tableted composition of Claim 68 further characterized in that said reducing agent is a metal or metal salt selected from the class consisting of ferrous and cobalt metals and metal salts.

71 (Original)

The tableted composition of Claim 68 further characterized in that said dispersing agent is sodium bicarbonate.

72 (Original)

The tableted composition of Claim 68 further characterized in that said sequestering agent is a dicarboxylic or tricarboxylic acid.

73 (Currently Amended)

The tableted composition of Claim 68 further characterized in that said visual determination ~~arises by observation of~~ occurs when a party attempting to detect the presence of the contamination observes a suspension of solid matter in water.

74 (Original)

The tableted composition of Claim 68 further characterized in that said metal contaminant is a contaminant which comprises a metal selected from the group consisting of arsenic, chromium and mercury or salts thereof.

75 (Original)

The tableted composition of Claim 68 further characterized in that said reducing agent is a metal or metal salt selected from the

class consisting of cerium, cobalt, europium, iron, manganese, nickel, platinum, praseodymium, rhenium, rhodium, samarium, terbium, tin, titanium, and ytterbium.

76 (Currently Amended)

A composition for testing for the presence of a potentially harmful water soluble multi-valent and ionically ~~reducible~~ reducible metal containing contaminant capable of being ionically reduced, said composition comprising:

- a) a water soluble composition ~~introducable~~ introducible into a sample of water to be tested to render a water containing medium and which composition comprises a multi-valent metal or metal anion reducing agent which will reduce the metal contaminant to a lower or reduced valence state and provide a visually apparent change in the water containing medium based on a ~~potential~~ presence of the metal contaminant in the water;
- b) an ingredient in said composition which will oxidize the reducing agent to a higher valence state; and
- c) an ingredient establishing an acid pH in the water containing medium and avoiding the formation of any suspension in the water containing medium which would obscure the visually apparent change which may take place.

77 (Original)

The composition for testing for the presence of a potentially harmful metal constituent in water of Claim 76 further characterized in that said composition comprises also a member selected from the class consisting of sequestering agents and flocculating agents.

78 (Currently Amended)

The composition for testing for the presence of a potentially harmful metal constituent in water of Claim 77 further characterized in that said harmful metal constituent ~~for which~~ detectable by the composition ~~detects~~ comprises any one of arsenic, chromium and mercury or salts thereof.

79 (Original)

The composition for testing for the presence of a potentially harmful metal constituent in water of Claim 76 further characterized in that said metal anion reducing agent is a member selected from the class consisting of iron and cobalt.

80 (Original)

The composition for testing for the presence of a potentially harmful metal constituent in water of Claim 76 further characterized in that said metal anion reducing agent is a member

selected from the class consisting of cerium, cobalt, europium, iron, manganese, nickel, platinum, praseodymium, rhenium, rhodium, samarium, terbium, tin, titanium, and ytterbium.

81 (Original)

A composition for detecting for the presence of a potentially harmful metal contaminant in water by observing the presence of a prominent visual change in the water if the harmful metal contaminant is present in the water, said composition comprising:

- a) a tableted composition for introducing into a sample of the water and which composition comprises a reductant capable of reducing the metal contaminant to a reduced state and generating a visually apparent physical change in the water if the contaminant is present; and
- b) a stabilizing agent for stabilizing any reaction and allowing for a visual change in the water.

82 (Original)

The composition of claim 81 further characterized in that said composition comprises a dispersing agent and thereby providing for rapid mixing and dispersal of the reducing agent throughout the sample of water to be tested.

83 (Original)

The composition of Claim 81 further characterized in that said composition comprises a reducing agent in the form of a metal or metal salt selected from the class consisting of ferrous and cobalt metals and metal salts.

84 (Original)

The composition of Claim 82 further characterized in that said composition comprises a dispersing agent in the form of sodium bicarbonate.

85 (Currently Amended)

The ~~method~~ composition of Claim 81 further characterized in that said metal contaminant is a contaminant which comprises a metal selected from the group consisting of arsenic, chromium and mercury or salts thereof.

A composition for determining whether a potentially harmful water-soluble, multi-valent and ionically reducible metal contaminant is present in a body of water when that composition is contacted with a body of water, said composition comprising:

- a) a water-soluble multi-valent metal-containing reducing agent introducible into the water to be tested and which will reduce the metal contaminant to a lower valence state and where the metal or metal anion reducing agent is responsible for a substantial portion of the metal contaminant reduction;
- b) a first ingredient in said water containing composition for maintaining the pH substantially below 7.0 whereby a physically observable change in said body of water resulting from the presence of the metal contaminant allows for readily visual indication of the presence of the potentially harmful metal contaminant; and
- c) a second ingredient in the water containing composition which will allow for stabilization of any reaction products, and provides an indication of these reaction products by a

rapid visible change in the water thereby
identifying presence of the potentially
harmful metal contaminants.